

A LIST OF CORALS COLLECTED IN THE VICINITY OF SINGAPORE.

By R. D. PURCHON, Ph.D., F.L.S., Raffles Professor of Zoology, University of Malaya, Singapore.

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Since the creation of this Department of Zoology in 1950, collections of coral have been made from time to time in the vicinity of Singapore. The most extensive collections have been made from Raffles Light, a small island some 12 miles from Singapore, while smaller collections have been made from islands closer to Singapore, such as Pulau Sudong and Pulau Hantu; collections have also been made on the west coast of Singapore, at Tanjong Gul and Tanjong Berlayar.

The corals so collected were identified as far as possible at the British Museum (Natural History) with the kind help of Captain A. K. Totton and Mr. White, to whom the writer wishes to express his thanks. Further additions were made to the collection, and the identification of the entire collection was finally undertaken by Professor J. W. Wells, Department of Geology, Cornell University, Ithaca, New York, who visited the University of Malaya in 1954. The writer is deeply grateful to Professor Wells for his great help and continued interest. Thanks are also due to Dr. A. G. Searle, of this Department, for his long-continued participation in this work.

The collection now amounts to 47 genera and, in addition to these, nine other genera are recorded from Singapore in literature, namely, *Caulastrea*, *Leptoseris*, *Lithophyllon*, *Oulophyllia*, *Plesiastrea*, *Stylocoeniella*, *Culicia*, *Monomyces* and *Rhizopsammia* (personal communication from Professor J. W. Wells). Thus 56 genera of corals are known from this region in all.

The present collection includes several genera not previously known from Singapore, and amounts to 76 species in all. This is considered to be sufficiently representative to merit publication.

LIST OF SPECIES.

Family SERIATOPORIDAE: *Stylophora mordax* (Dana), *Seriatopora hystrix* (Dana), *Pocillopora damicornis* (Linn.), *P. verrucosa* (Ellis and Solander).

Family ACROPORIDAE: *Acropora variabilis* (Klunzinger), *A. tubicinaria* (Dana), \**A. concinna* (Brook), \**A. brueggemanni* (Brook), *A. cf. corymbosa* (Lamarck), *Astraeopora myriophthalma* (Lamarck), *Montipora iniformis* Bernard, *M. fruticosa* Bernard, *M. laevis* Quelch, *M. solanderi* Bernard, *M. efflorescens* Bernard, *M. striata* Bernard, *M. prolifera* Bernard.

Family AGARICIIDAE: *Pavona frondifera* Lamarck, *P. crassa* (Dana), *Pachyseris speciosa* (Dana).

Family SIDERASTREIDAE: *Pseudosiderastrea tayamai* Yabe and Sugiyama.

Family THAMNASTERIIDAE: *Psammocora (Stephanaria) togianensis* (Umbgrove), *Psammocora contigua* (Esper).

Family FUNGIIDAE: *Fungia actiniformis* Quoy and Gaimard, *F. fungites* (Linn.), \**F. repanda* (Dana), *F. echinata* (Pallas), *Herpolitha limax* (Esper), *Polyphyllia talpina* (Lam.), *Podabacia crustacea* (Pallas).

Family PORITIDAE: *Goniopora malaccensis* Brueggemann, *G. lobata* M.E. & H., *G. stutchburyi* Wells, *G. fruticosa* Saville Kent, *G. cf. columna* Dana, *Porites (Synaraea) convexa* Verrill, *P. nigrescens* Dana, *P. lutea* M.E. & H., *Alveopora excelsa* Verrill.

Family FAVIIDAE: *Favia speciosa* (Dana), *Favites abdita* (Ellis and Solander), *Goniastrea pectinata* (Ehrenberg), *G. benhami* Vaughan, *Platygyra lamellina* (Ehrenberg), *Leptoria phrygia* Ellis and Solander, *Hydnophora exesa* (Pallas), *H. rigida* (Dana), *Trachyphyllia geoffroyi* (Audouin), *Scapophyllia cylindrica* M.E. & H., *Cyphastrea chalcidicum* (Forskaal), *Echinopora lamellosa* (Esper), *Diploastrea heliopora* (Lamarck), *Oulastrea crispata* (Lamarck).

Family MERULINIDAE: *Merulina ampliata* (E. & S.).

Family OCULINIDAE: *Galaxea fascicularis* (Linn.).

Family MUSSIDAE: *Lobophyllia hemprichii* (Ehr.), *Symphyllia nobilis* (Dana).

Family PECTINIDAE: *Oxypora lacera* (Verrill), *Mycedium tubifex* (Dana).

Family CARYOPHYLLIIDAE: *Euphyllia glabrescens* (Chamisso and Eysenhardt), *\*E. fimbriata* (Spengler), *Pectinia lactuca* (Pallas), *Plerogyra sinuosa* (Dana), *Paracyathus stokesi* M.E. & H.

Family DENDROPHYLLIIDAE: *Turbinaria peltata* (Esper), *T. crater* (Pallas), *T. mollis* Bernard, *Tubastrea diaphana* (Dana), *T. aurea* (Quoy and Gaimard), *Dendrophyllia nigrescens* Dana, *Balanophyllia mclaccensis* Moseley, *B. stokesiana* (M.E. & H.).

Family FLABELLIDAE: *Flabellum stokesi* M.E. & H.

Family HELIOPORIDAE: *Heliopora coerulea* (Pallas).

Family MILLEPORIDAE: *Millepora platyphylla* Hemprich and Ehrenberg.

Family STYLASTERIDAE: *Distichopora violacea* (Pallas).

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\* Specimens of these species are in the collection of the Raffles Museum, Singapore, while specimens of the remainder are in the collection of the Department of Zoology, University of Malaya, Singapore.